



2881
Attorney Docket No.: 10919/25601

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re

U.S. application: Lewis T. CLAIBORNE and Pradip MITRA
For: DIFFRACTION GRATING COUPLED INFRARED
PHOTODETECTOR
U.S. Serial No.: 09/836,036
Filed: April 17, 2001
Group Art Unit: 2881
Examiner: To Be Assigned

Assistant Director
for Patents
Washington, D.C. 20231

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July 25, 2001
Date of Deposit

James W. Williams

Name of Applicant, Assignee, or Registered Representative

Signature

July 25, 2001
Date of Signature

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

In compliance with the duty of disclosure set forth in 37 C.F.R. § 1.56, Applicants wish to bring the following items to the attention of the Examiner. A copy of each document is enclosed for the convenience of the Examiner.

No representation is made, and no representation is intended, that more relevant material does not exist, or that the order of presentation of this material in any way reflects its relative pertinence. The references cited below are not intended to constitute an admission of any kind. Specifically, this presentation is not an admission that the items listed below are properly citable against the above-identified application.

- (1) Chandra et al., U.S. Patent No. 6,091,127, issued July 18, 2000;
- (2) Duboz, U.S. Patent No. 5,818,066, issued October 6, 1998;
- (3) Brouns, U.S. Patent No. 5,773,831, issued June 30, 1998;
- (4) Kaushik et al., U.S. Patent No. 5,726,805, issued March 10, 1998;
- (5) Schimert, U.S. Patent No. 5,539,206, issued July 23, 1996;
- (6) Choi, U.S. Patent No. 5,485,015, issued January 16, 1996;
- (7) McKee et al., U.S. Patent No. 5,479,018, issued December 26, 1995;
- (8) Spears, U.S. Patent No. 5,455,421, issued October 3, 1995;
- (9) Bryan et al., U.S. Patent No. 5,389,797, issued February 14, 1995;
- (10) Hunt et al., U.S. Patent No. 5,315,128, issued May 24, 1994;

- (11) J. BAJAJ, *State-of-the-art HgCdTe Infrared Devices*, Proceedings of SPIE, In *Photodetectors: Materials and Devices V*, Gail J. Brown and Manijeh Razeghi, Editors, Vol. 3948, pp. 42-54, (2000);
- (12) I. M. BAKER, *Photovoltaic IR detectors, Narrow-gap II-VI Compounds for Optoelectronic and Electromagnetic Applications*, Peter Capper, Editor, Chapman & Hall, pp. 450-474 (undated);
- (13) C. C. BARRON, C. J. MAHON, B. J. THIBEAULT, G. WANG, W. JIANG, L. A. COLDREN and J. E. BOWERS, *Resonant-cavity-enhanced pin photodetector with 17GHz bandwidth-efficiency product*, Electronics Letters, Vol. 30, No. 21, pp. 1796-1797 (October 13, 1994); and
- (14) T. WIPIEJEWSKI, K. PANZLAFF, K. J. EBELING, *Resonant wavelength selective photodetectors*, Microelectronic Engineering, Vol. 19, pp. 223-226 (1992).

Applicants consider the invention to be distinguishable over the above-cited documents.

As this Information Disclosure Statement is being filed before the receipt of the first Office Action, no fee is

incurred. However, if it should be determined that a fee is required, please charge any required fee (other than the issue fee) during the pendency of this application to Sidley Austin Brown & Wood's Deposit Account No. 18-1260. Please credit any overpayment to Deposit Account No. 18-1260.

Respectfully submitted,

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

JUL 30 2001
U.S. PATENT AND TRADEMARK OFFICE

				Complete if Known				
				Application Number	09/836,036			
				Filing Date	April 17, 2001			
				First Inventor	Lewis T. CLAIBORNE et al.			
				Group Art Unit	2881			
				Examiner Name	To Be Assigned			
Sheet 1 of 1				Attorney Docket No.	10919/25601			

U.S. PATENT DOCUMENTS

Examiner Initials	Cite #	DOCUMENT NUMBER	C O D E	PATENTEE	ISSUE DATE (mm/dd/yy)	CLASS	SUB CLASS	Filing Date if Appropriate
	(1)	6,091,127		Chandra et al.	07/18/2000	257	442	
	(2)	5,818,066		Duboz	10/06/1998	257	21	
	(3)	5,773,831		Brouns	06/30/1998	250	370.08	
	(4)	5,726,805		Kaushik et al.	03/10/1998	359	589	
	(5)	5,539,206		Schimert	07/23/1996	250	338.4	
	(6)	5,485,015		Choi	01/16/1996	257	21	
	(7)	5,479,018		McKee et al.	12/26/1995	250	338.1	
	(8)	5,455,421		Spears	10/03/1995	250	338.4	
	(9)	5,389,797		Bryan et al.	02/14/1995	257	21	
	(10)	5,315,128		Hunt et al.	05/24/1994	257	16	

FOREIGN PATENT DOCUMENTS

Examiner Initials	O F F I C E	NUMBER	C O D E	PUBLICATION DATE (mm/dd/yy)	TRANSLATION Yes No

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	(11)	J. BAJAJ, <i>State-of-the-art HgCdTe Infrared Devices</i> , <u>Proceedings of SPIE</u> , In <i>Photodetectors: Materials and Devices V</i> , Gail J. Brown and Manijeh Razeghi, Editors, Vol. 3948, pp. 42-54, (2000)
	(12)	I. M. BAKER, <i>Photovoltaic IR detectors</i> , <u>Narrow-gap II-VI Compounds for Optoelectronic and Electromagnetic Applications</u> , Peter Capper, Editor, Chapman & Hall, pp. 450-474 (undated)
	(13)	C. C. BARRON, C. J. MAHON, B. J. THIBEAULT, G. WANG, W. JIANG, L. A. COLDREN and J. E. BOWERS, <i>Resonant-cavity-enhanced pin photodetector with 17GHz bandwidth-efficiency product</i> , <u>Electronics Letters</u> , Vol. 30, No. 21, pp. 1796-1797 (October 13, 1994)
	(14)	T. WIPIEJEWSKI, K. PANZLAFF, K. J. EBELING, <i>Resonant wavelength selective photodetectors</i> , <u>Microelectronic Engineering</u> , Vol. 19, pp. 223-226 (1992)

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.
Include copy of this form with the next communication to applicant.